

CA

**Steroid compounds.** V. P. Gogvadze (Acad. Sci., Tbilisi, Georgia, U.S.S.R.). *Izv. Akad. Nauk S.S.S.R. Otdel. Khim. Nauk* 1950, 185-8. The nonsaponifiable fraction of tea-plant oil (2.5% by wt.), purified by washing with 10%  $\text{BaCl}_2$  to remove traces of fatty acids, was examined by luminescence chromatography (no expl. details) and was shown to contain typical plant sterols with a double bond in the 5-position:  $\alpha$ - and  $\gamma$ -sitosterols and stigmasterol. The liquid components are cyclic terpenes, thus confirming the isoprene rule of biogenesis of sterols. The tea-seed saponin investigated by the Raman method displayed properties consistent with the presence of tetra-HO carboxylic acids and lactones. Theoretical considerations call for an analogy between the 9-10 link of phenanthrene and 3 $\beta$ -link in the above sterols; this is confirmed by preliminary Raman examn. of cholesterol, which gave a frequency below that of the  $\text{C}_2\text{H}_2$  bond. Bromination in  $\text{CCl}_4$  followed by refluxing led to elimination of  $\text{HBr}$  and formation of *6-bromocholesterol* (I); similarly, *6-bromo- $\gamma$ -sitosterol* was formed. The reaction is best run in the presence of pyridine and apparently proceeds by formation of a trans dibromide. Grignard reagents react with I readily and *6-methyl-* and *6-phenylcholesterols* were thus prepd. (no data supplied). Lan (disaccharotetrahydro-1,4-dipyridine gave *6,6'-di-cholesterotetrahydro-1,4'-dipyridine* (no data), i.e. a dimeric substance. The Wurtz reaction with I gave a complex mixture yielding a variety of products of reduction and ring opening; the main product had a dimeric mol. wt., added  $\text{HBr}$  or 2 moles of methyl anhydride and was a dimer of the product of ring B opening. G. M. Kosolapoff

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**Analysis of tea<sup>1</sup>** - V. P. Gogvadze, E. P. Khechumashvili, and M. I. Imeretia (Inst. of Chem. Acad. Sci. Georgia S.S.R., Tbilisi, U.S.S.R.). *Zhur. Anal. Khim.* **3**, 306-311 (1960). - Oil expressed from ripe seeds of native-grown *Zea mays* was analyzed by a somewhat modified method. The unsaponifiable fraction comprised approx. 2.5%. The total content of fatty acids was 92.5%. 0.8% of the total acids (saturated and unsaturated) was arachidic acid, 4.9% palmitic acid, and 1.2% stearic acid. The unsaturated acids comprised oleic acid 86.73 and linoleic 0.2% of total. M. Hosh

GOGUADZE, V. P.

USSR/Chemistry-Vitamins

Card : 1/1

Authors : Gogvadze, V. P. Prof.

Title : Steroid compounds

Periodical : Priroda, 6, 24 - 30, June 1954

Abstract : The medicinal value of steroid compounds, comprised of sterols, bile acids, steroid alkaloids, heart poisons, saponins, sex hormones etc, is described. The use of saponin bearing plants, heart glucosides, sterines and other plant and vegetable extracts in Soviet national medicine is the main subject of discussion. Drawings, Illustration.

Institution : ....

Submitted : ....

**GOGUAJZE, V. P.**

USSR/Chemistry - Analytical

**Card** : 1 : Pub. 145 - 9/10

**Authors** : Gogvadze, V. P., and Pkeydze, T. A.

**Title** : Color reaction of complex formation of eleostearic acid with picric acid and qualitative testing for tung oil

**Periodical** : Zhur. anal. khim. 9/5, 308-313, Sep-Oct 1954

**Abstract** : A colored sample method, which makes it possible to discover tung oil in a mixture with other plant and animal fats, is described. The color reaction of complex formation of eleostearic acid with picric acid, is analyzed. Several complex molecular eleostearic and picric acid compounds, derived by the color reaction, are described. Seventeen references: 14-USSR; 2-USA and 1-German (1918-1951).

**Institution** : Scientific Research Chemical-Pharmaceutical Institute, Tbilissi

**Submitted** : August 28, 1953

GOGUADZE, V. P.

USEF

Color reaction of complex formation between molybdic acid and picric acid, and quantitative test for tungsten. P. Gogvadze and T. A. Pibeldze. *J. Anal. Chem. U.S.S.R.* 1971, 16(12), 1414 (Engl. translation).--See C.A.B. 40, 3637c.

USSR/ Chemical Technology. Chemical Products and Their  
Application. Pesticides

I-7

*GOGUADZA V.P.*

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12408

Author : Goguada V.P., Pkhiedze T.A., Enukidze I.Ya., Yashvili G.  
I.

Inst : Tbilisi Chemico-Pharmaceutical Scientific Research  
Institute

Title : Concerning the Isolation of a Concentrated Light Insec-  
ticial Preparation from Pyrethrum (*Chrysanthemum cine-  
rariaefolium*).

Orig Pub : Sb. tr. Tbilissk. n.-i. khim.-farmatsevt. in-ta, 1955,  
7, 123-132

Abstract : Description of the recovery of the oleoresin (I) from  
dried flowers of Dalmatian daisy with anhydrous dichlo-  
rethane (II) at room temperature and at the boiling  
temperature of II. Ca chloride (III), placed in the  
current of boiling I decreases the activity of I, while

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USSR/ Chemical Technology. Chemical Products and Their  
Application. Pesticides

I-7

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12408

blue vitriol (BV) and tikha-askane clay (TA) enhance its  
activity. With TA an insecticidal dust is also obtained.  
Treatment with Isoamyl alcohol or methanol (IV) in the  
presence of BV resulted in lowering of the activity of  
I, while IV used in the presence of III increases the  
activity. Alcoholic solutions are clarified with basic  
Pb acetate.

Card 2/2

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Gogvadze, V. P.

USSR/ Chemistry - Organic Chemistry

Card 1/1 Pub. 86 - 15/38

Authors : Gogvadze, V. P., Prof.

Title : Tung oil

Periodical : Priroda 44/7, 89 - 92, Jul 1955

Abstract : Some botanical data are presented regarding the tung tree (aleurites), of which the Chinese and Japanese types, are largely cultivated in the Soviet Union. The characteristics of the tung tree are explained along with the method of extraction of the oil from the fruit, the uses to which it is put, such as for lacquer, paints, putties, etc., and the chemical formulas of the various substances. Illustrations.

Institution : .....

Submitted : .....

Gorvadr, V.P.

Color test for the presence of homonie glycerides in oils and a color reaction of some organic compounds with picric acid. T. A. Piheliza and V. P. Gorvadr. Zhur. Anal. Khim. 1977-8 (1978). Plac 2  
 1 ml. of glacial AcOH acid. with picric acid in a test tube, add 15 drops or if solid 0.2 g. of sample, shake, and heat for 3-5 min. The appearance of red color indicates the presence of oils contg. homonie glycerides (soybean, linseed, mustard, prune, or fish oil). Reaction is also pos. for the acyclic alic. geraniol and tetralinane-like, the terpene farnesene, and nonaromatic and nonaliphatic ergosterol, lanosterol, and methylsterone. Carotenoids give a green color.  
 M. Hoesch

2.  
*(Handwritten initials)*  
 CM 8/17

GOGUDZE, V.P.

USSR/Chemical Technology - Chemical Products and Their I-10  
Application. Fats and Oils. Waxes. Soap. Detergents.  
Flotation Reagents.

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2738

Author : Gogudze, V.P., Yashvili, G.M.

Inst :

Title : Preparation of Foaming Agents by Condensation of Starch  
Degradation Products with Amines and Amino Acids.

Orig Pub : Zh. Prikl. Khimii, 1957, 30, No 4, 618-623

Abstract : A study was made of the possibility of synthesizing new kinds of foaming agents by interaction of carbonyl groupings with amino group so as to combine hydrophobic and hydrophilic portions of the molecules of the surface active agent. It was found that interaction of starch degradation products with aniline and O-amino benzoic acid, at 180°, results in the formation of surface-active condensation products that are foaming agents the

Card 1/2

SADZHAYA, N.D.; GOGUADZE, V.P.

Use of dioxymaleic acid in chemical analysis. *Sov. AN Gruz. SSR*  
24 no.3:289-290 *Mr* '60. (MIRA 1960)

1. Gosudarstvennyy pedagogicheskiy institut im. A.S.Pushkina.  
Predstavleno akademikom R.I.Agladze.  
(Maleic acid) (Chemical tests and reagents)

GOGUADE, V.P.

Preparation of 3,4,5-trihydroxybenzoic acid  
Gruz. SSR 35 no.3:553-557 S '64.

1. Institut prikladnoy khimii i elektrokhimii AN Gruz. SSR  
Predstavleno chlenom-korrespondentom AN Gruz. SSR

GOGUADEE, V.P.; TABELNKO, M.I.

Color reaction for thiocyanate alkyls and the synthesis of  
fluorescent dyes. Soob. AN Gruz. SSR 36 no.1:69-76

1. Institut prikladnoy khimii i elektrokhimii AN Gruz. SSR  
Submitted March 6, 1964.

DANILOV, S.N.; CHKHIKVISHVILI, D.I.; MDINARADZE, D.A.; SOLOVYOV,  
NAKHAPETYAN, A.A.; NAPOBASHVILI, Ya.M.; SALZHUKOV, V.I.

In memory of Professor Akakii Melitenevich Gakhokiya, 1904-1965.  
Zhur. ob. khim. 35 no.6:1117-1119 Ja '65. (MIR) 1965

GOGUADZE, V.P.; IVANOV, T.N.; VILKINSKAYA, N.V. KVITELAVA, V.I.  
NATROSHVILI, D.R.; PANAVELASHVILI, A.G.

Solubility of hydroxylamine sulfate in cyclohexanone and  
the separation of the cyclohexanone oxime complex system  
Soob. AN Gruz. SSR 37 no.3:567-572 Mr '66.

(MIRA 18:5)

1. Institut prikladnoy khimii i elektrokhimii AN GruzSSR, Tbilisi.  
Submitted June 15, 1964.

GOGUAZE, V.I.; LAMOV, T.N.; VITOLSKAYA, N.V.; NADZINSKII, A.I.;  
KVASILAVA, T.M.

Potassium number, fusibility, and refractive index of the  
system  $\epsilon$ -caprolactam - cyclohexanoxime. Soob. AN Gruz. SSR  
38 no.2:303-308 My '65. (MIRA 1819)

1. Institut prikladnoy khimii i elektrokhimii AN Gruz. SSR,  
Tbilisi. Submitted June 15, 1964.

ABUSITOV, S.K., izobretatel'; TEPLOV, P.V., izobretatel'; GOGULIN, I.Ya.,  
izobretatel'

Designing new looms. Izobr.v SSSR 2 no.2:5-6 F '57. (MIHA 12:3)

1. Gavrilovo-Posadskaya tkatskaya fabrika.  
(Looms)

GOGULIN, Vasilii Fedorovich; PETUKHOV, P.I., red.

[Party control and audit of a plan carried out by an industrial enterprise; from work practice of the Cherepovets Metallurgical Plant-Party Organization and the Cherepovets CPSU City Committee] Partiinyi kontrol' i proverka ispolneniia na predpriatii; iz opyta raboty partorganizatsii Cherepovetskogo metallurgicheskogo zavoda i Cherepovetskogo gorkoma KPSS. Vologda, Obl.knizhnaiia red., 1957. 102 p. (MIRA 13:4)

(Cherepovets--Metallurgical plants)  
(Cherepovets--Communist Party of the Soviet Union--Party work)

Z 01530-67

ACC NO: AP6030636 (N) SOURCE CODE: UR/0413/66/000/016/0143/0143

INVENTOR: Gogulya, I. K.

ORG: none

TITLE: Apparatus for sealing holes in the hull of a ship. Class 65, No. 185224

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 143

TOPIC TAGS: naval equipment, naval engineering, sealing device, hull repair, hull

ABSTRACT: An Author Certificate has been issued for an apparatus for sealing cracks in a ship's hull. The device consists of plaster set on a screw frame and fastened with a pressure nut. To facilitate the application of the plaster on the crack, a rod is mounted inside the screw frame with planks hinged on its end. The planks are mounted so that while being set up over the crack they arrange themselves along the rod, perpendicular by the action of a thrust spring. [Translation]

SUB CODE: 13/ SUBM DATE: 20Nov63/

[NT]

Card 1/2 *egj*

UDC: 629.12-788.4.002.54

GOGUNOV, R.I., inzh.

British automotive cranes. Mekh. i avtom. proizv. 18 no.1:48-50  
Ja '64. (MIRA 17:8)

~~COGUNSKIY, Georgiy Grigor'yevich; KALYUZHNYI, Grigoriy Davidovich; PESTRYAKOV,~~  
A.I., red.; SOKOLOVA, N.N., tekhn.red.; MAKHOVA, N.N., tekhn.red.

[Tractor plows] Traktornye plugi. Moskva, Gos. izd-vo sel'khoz.  
lit-ry, 1957. 214 p. (MIRA 11:5)  
(Plows)

GOGUNSKIY, Georgiy Grigor'yevich; KALYUZHNIY, Grigoriy Lavidovich;  
LIKHOYEDENKO, K.I., kand. tekhn. nauk, retsenzent; SUD'KO,  
V.A., red. izd-va; VLADIMIROVA, L.A., tekhn. red.

[Mounted and semimounted tractor plows, scarifiers, and dig-  
gers]Navesnye i polunavesnye traktornye plugi, rykhiliteli,  
iamokopateli. Moskva, Mashgiz, 1962. 159 p. (MIRA 15:9)  
(Plows) (Excavating machinery)

GOBUNSKIY, G.G.

From the work practices of the October Revolution Plant of  
the Special Design Office. Trakt. i sel'khoz mash. 33 no. 11  
29-31 N '63. (MIRA 1963)

1. Nachal'nik spetsial'nogo konstruktorskogo byuro zavoda  
imeni Oktyabr'skoy revolyutsii Chernomorskogo soveza narodnogo  
khozyaystva.

GOUSEVSKI, M.

Comparative study of basic elements of white pine and Pinus culture near Kicevo. p. 99.

Skopje, Yugoslavia. Univerzitet. Pedagoško-suzivotni fakultet.  
BODISEN ZBORNIK. STANSTVO. Skopje, Yugoslavia. Vol. 11, 1970.

Monthly list of the East European Accessions (TEAI) 19, Vol. 1, 1970.

Uncl.

~~SECRET~~, T.

Verification of the precision of the manufacture of bearings.

p. 38 (Metallurgic Si Constructia De Masini. Vol. 9, no. 1, 1958.  
Bucuresti)

Monthly Index of East European Accessions (MEM) M. Vol. 1, no. 1,  
February 1958

ACC NR: AP6025679

SOURCE CODE: UR/04.13/66/000/013/014.6/014.6

INVENTORS: Petrov, Yu. M.; Goguyev, S. V.; Naumov, N. F.; Khokhin, V. I.; Sherr, A. S.

ORG: none

TITLE: A pneumatic relay. Class 62, No. 183605

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 146

TOPIC TAGS: pneumatic device, pneumatic control, valve

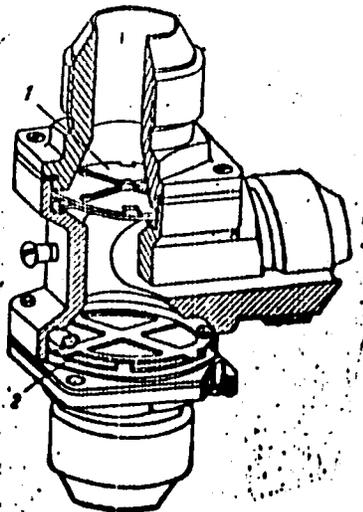
ABSTRACT: This Author Certificate presents a pneumatic relay for switching in the duct and the ejector. The casing of the relay contains inlet and outlet pipes and valves (see Fig. 1). To reduce the hydraulic resistance and to improve the productivity, the valves are elastic and have the form of petal-like sectors mounted on saddles fixed in the casing.

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UDC: 629.13.01/06 614.894

ACC Nbr AP6025679

Fig. 1. 1 - valve; 2 - saddle



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 18Jun65

Cord 2/2

GOGUYEVA, M.P.

Determining adhesion in candy masses during the molding process.  
Khleb. i kond. prom. 1 no.9:18-20 § '57. (MIRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konditerskoy pro-  
myshlennosti.

(Confectionary) (Adhesion)

GOGUYEVA, M.P.

Method of determining the total force required for the extraction of  
fruit-jelly forms from rigid molds. Trudy VKNLI no.14:20-31 '59.

(MIRA 14:5)

(Caramel) (Adhesion)

FRANK-KAMENETSKIY, V.A.; GOGVINENKO, N.V.; DRITS, V.A.

"Tosudit," a dioctahedral mixed-layer clay mineral. Zap. Vses.  
min. ob-va 92 no.5:560-565 '63. (MIRA 17:1)

GOHER, Laszlo, gepeszmernok

Examination of the injection characteristics of Diesel  
motors. Jarmu meso gep 8 no.8:288-299 Ag '61.

1. Jarmu fejlesztési Intezet.

GOHER, M.

"Crane motore" p. 37  
(ELEKTROTECHNIKA, Vol. 46, No. 2, Feb. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 7, July 1953, Uncl.

1951, 1.

"The handwriting and the name of 'Early Literacy' in the", p. 57, (1951), Vol. 1, no. 1, April 1951.

SC: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1951, incl.

GOHER, M.

Pal Lomb's Gepsorozatok tervezese (Designing Series of Machines); a book review, p. 236, ELEKTROTECHNIKA, (Magyar Elektrotechnikai Egyesulet) Budapest, Vol. 48, No. 6, June 1955

SOURCE: East European Accessions List (EFAL) Library of Congress, Vol. 48, No. 12, December 1955

GOHER, M.

100th anniversary of the birth of Nikola Tesla; a biographic sketch,  
p. 255, ELEKTROTECHNIKA (Magyar Elektrotechnikai Egyesulet) Budapest,  
Vol. 49, No. 8, Aug. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 5, No. 11, November 1956

GOHER, M.

Geza Boleman is 90 years old. p. 346.  
(Elektrotechnika, Vol. 49, no. 10/12, Oct./Dec. 1956. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LG, Vol. 6, no. 9, Sept. 1957. Uncl.

GOPEL, L.

Erno Milczek; a profile.

P. 59 (ELEKTROTECHNIKA) Budapest, Hungary Vol. 50, No. 1/2, Jan./Feb. 1957.

SO: Monthly Index of East European Accessions (AMEI) Vol. 6, No. 11 November 1957

GOHER, Minaly

Goza Boieman; obituary. Elektrotechnika 55 no.4:172-173  
Ap '62.

GOHER, Mihaly, okleveles gepeszmernok, muszki tanacsado

More important aspects of the development of modern motor series. Elektrotechnika 56 no.11/12:484-494 N-D'63.

1. Villamosgep- es Kabelgyar, Budapest, X., Gyomroi ut 128.

GOHER, Mihaly

Dr. Imre Poschl; obituary. Elektrotechnika 56 no.4:137-  
139 Ap '63.

GONICS, K.

New tests of wood impregnation. p.45.

INDUSTRIA LEMNULUI. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din  
România si Ministerul Industrii Lemnului. Bucuresti, Romania. Vol 8, no. 2, Feb.  
1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959.

Uncl.

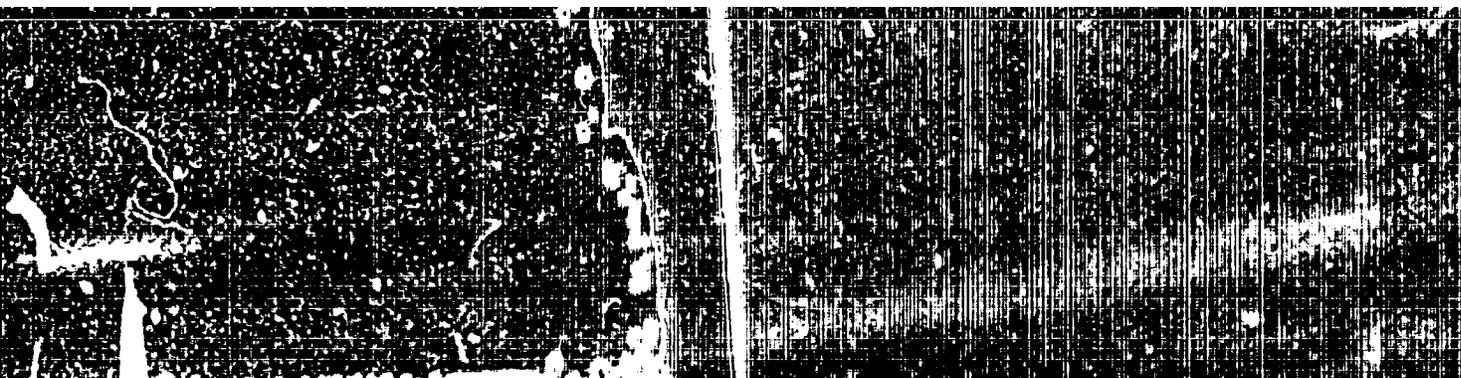
RUSU, R., dr.; DEUTSCH, L., dr.; DULCA, FL., dr.; JOIA, E., dr.; NICOLAU,  
Petra, dr.; MOCANU, GE. dr.; POPAN, I. dr.; POPESCU, G. dr.

Contribution on the influence of meteorological factors on the  
etiopathogenesis of acute vascular accidents. Med. Intern.  
(Bucur) 17 no. 5:575-608 May 1968.

1. Lucrare efectuata in Sectia de boli interne, Spitalul Unificat,  
Deva.

"APPROVED FOR RELEASE: 09/19/2001

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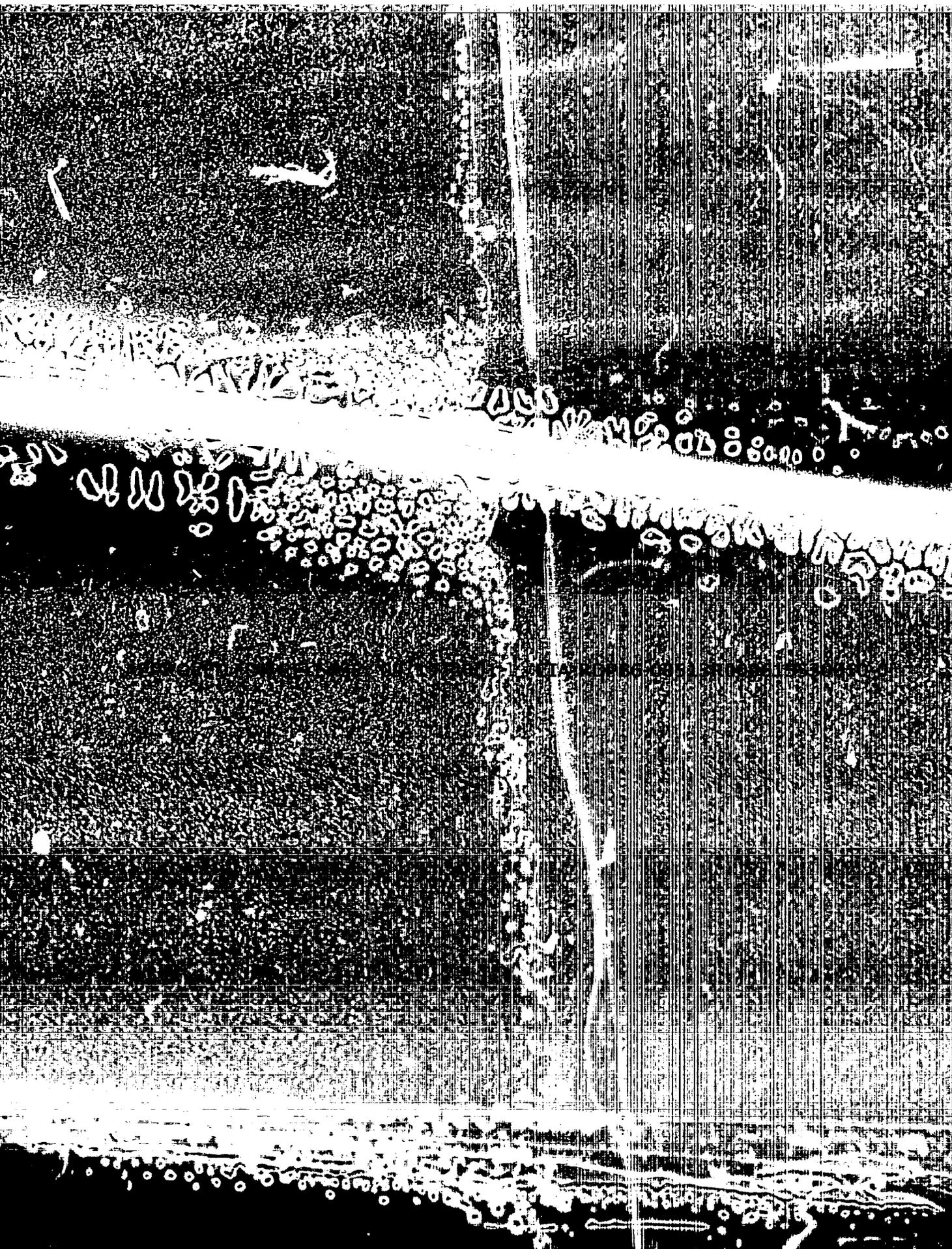
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GOIA, IONESCU, E.

RUMANIA / Analytical Chemistry. Organic Anal. [?].

E

Abs Jour: Ref Zhur-Khisiya, No 16, 1958, 534-54.

Author : Ionescu, Olya.

Author : IONESCU, E.

Title : A Volumetric Method for Halide Determination in Organic Compounds.

Orig Pub: Studii si cerceturi chim. Acad. RPR, Fil. Cluj, 1957, 8, No 1-2, 173-178.

Abstract: A modification of the method (previously described in Irumesku Ion, Chirnoaga Eugenia, A. analyt. Chem., 1942, 125, 32) was submitted. The novelty consists in the halide ion split off taking place by a reductive action of H at the moment of its

Card 1/3

RUMANIA / Organic Chemistry--Synthetic Organic Chemistry G-2

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27470

Abstract: tion of 0.4 gm Na in 10 ml abs alcohol is treated with 2.27 gms of the ethyl ester of 3,5-dichlorosalicylic acid (IV) in 10 ml abs alcohol and then with a solution of 1.85 gm 2,4-Cl<sub>2</sub>C<sub>6</sub>H<sub>3</sub>N = C(Cl)C<sub>6</sub>H<sub>5</sub> in 15 ml ether, the resulting solution is stirred and allowed to stand for 12 hrs, the excess IV is distilled under vacuum together with the excess alcohol, and N-2,4-dichlorophenylbenzimidino-o-carbethoxydichlorophenylic ester (V) is precipitated with water; the yield is 2 gms. 2 gms of V are heated for 10 min at 260°, cooled to 150°, 2 ml of conc H<sub>2</sub>SO<sub>4</sub> are added, the solution is reheated to 200-203°, and cooled; II is precipitated with water, yield 0.15 gm, mp 253° (from toluene). A mixture of 1 gm II

Card 3/4

RUMANIA / Organic Chemistry--Synthetic Organic Chemistry G-2

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27470

Abstract: and 3.5 gms  $\text{POCl}_3$  is heated to  $85-90^\circ$  and then for 2 hrs at  $135-140^\circ$ , the  $\text{POCl}_3$  is distilled off, and III is separated, mp  $193^\circ$  (from benzene). For Communication XV see RZhKhim, 1959, 8358.--A. Marin

Card 4/4

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RUMANIA / Organic Chemistry--Synthetic Organic Chemistry G-2  
APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000615530010-0"

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27470

Abstract: It has been shown that the maximum degree of chlorination of I in a stream of  $\text{Cl}_2$  is achieved in glacial  $\text{CH}_3\text{COOH}$  (30 min,  $100^\circ$ ); the product is 2,4,5,7-tetrachloroacridone (II) the structure of which has been confirmed by reverse syntheses. The chlorination of I in  $\text{CH}_3\text{OH}$ ,  $\text{C}_2\text{H}_5\text{OH}$ ,  $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$ ,  $n\text{-C}_4\text{H}_9\text{OH}$ ,  $\text{iso-C}_5\text{H}_{11}\text{OH}$  gives non-separable mixtures of I and its various chlorine derivatives. The chlorination of I with a mixture of  $\text{HCl}$  and  $\text{H}_2\text{SO}_4$  in the presence of  $\text{H}_2\text{O}_2$  also gives mixed products with a maximum  $\text{Cl}_2$  content of 33.2%. When II is heated with  $\text{POCl}_3$ , 2,4,5,7,9-pentachloroacridone (III) is obtained. A solu-

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RUMANIA / Organic Chemistry--Synthetic Organic Chemistry G-2

Abs Jour: Ref Zhur. Khimiya, No 8, 1959, 27470

Author : Ionescu, M., Goia, I., and Felmeri, I.  
Inst : Rumanian Academy of Sciences  
Title : The Chemistry of the Acridones. XVI. The Direct Chlorination of Acridone.

Orig Pub: Studii si Cercetari Chim Acad RPR, Fil Cluj 8, No 3-4, 351-361 (1957) (in Rumanian with French and Russian summaries)

Abstract: The effect of the solvent, catalyst, temperature, reaction time,  $Cl_2$  consumption, and concentration on the degree of chlorination of acridone (I) with  $Cl_2$  has been investigated. The chlorination of I with a solvent saturated with  $Cl_2$  or  $HCl$  in the presence of 30%  $H_2O_2$  was also investigated.

Card 1/4

IONESCU, Maria; GOIA, Ileana; MANTSCH, Horst

On ( 2-Nitro-benzylidenes)-bis-benzamide. Rev chimie 7  
no. 1: 267-270 '62.

1. Akademie der Rumänischen Volksrepublik, Organisch-  
Chemisches Institut, Cluj.

EXCERPTA MEDICA Ser. 6 Vol. 11/9 Sept. 57  
GOIA I.

5635. GOIA I., MOGA A., HĂRĂGUȘ St., PERIAN S. and BUCUR N. "Afecțiunile vasculare în boala reumatică. Studiu clinic. Rheumatic vascular disease. A clinical study PROBL. REUMATOL. 1956, 4 (27-44)  
A report is given of the results of a study made in Cluj of the vascular localizations of rheumatic disease, the most frequent of which is rheumatic angitis (36-66%), in all parts of the vascular system, whether or not associated by cardiac or articular lesions. In 50% of the cases, biopsy of muscle and skin has given positive findings; the condition is important in cases of latent rheumatic arteritis, where it can only be diagnosed by oscillometry, if the localization does not prohibit it. The arterial lesions in rheumatic disease play an important part in coronary disease, rheumatic nephritis, thromboangitis obliterans, periarteritis nodosa and arteriosclerosis. Elimination of the infectious focus and antirheumatic treatment may improve or cure the arteritic conditions, and irreversible lesions may be prevented.  
Graur - Bucharest (XVIII, 6)

GOIA, I.; CIRTOC, Gh.; MAZILU, A.; FLOREA, M.

Role of the central nervous system in rheumatic disease.  
Probl. reumat., Bucur. 4:45-53 1956.

(RHEUMATISM, complications  
encephalitis, meningitis & other CNS disord.)  
(ENCEPHALITIS, etiology & pathogenesis  
rheum. dis.)  
(MENINGITIS, etiol. & pathogen.  
rheum. dis.)  
(PSYCHOSIS, etiol. & pathogen.  
rheum. dis.)

GOIA, ILEANA

7  
 Acridinone. XVI. Direct chlorination of acridinone.  
 Maria Lorenzy, Ileana Goia, and I. Foméri. *Acad. rep. populare Rom. Ser. Chim. 2, 351-51* (1987); cf. C.A. 81, 10527d. —Cl passed 30 min. through 1.5 g. acridinone (I) in 510 ml. glacial AcOH on a steam bath gave 98% 2,4,5,7-tetrachloroacridinone (II), yellow needles, m. 253° (PhMe), sol. in CHCl<sub>3</sub>, glacial AcOH, PhNH<sub>3</sub>, and PhCl. Several other methods for the chlorination of I gave mixts. which could not be characterized. The structure of II was proved by direct synthesis as follows: Et 3,5-dichlorosalicylate (2.27 g.) in 10 ml. Et<sub>2</sub>O and 1.55 g. 2,4-Cl<sub>2</sub>C<sub>6</sub>H<sub>3</sub>C(:NH)Cl (III) in 15 ml. Et<sub>2</sub>O added in rapid succession to a cooled soln. of 0.4 g. Na in 10 ml. abs. EtOH and the mixt. worked up after 1 day yielded 2 g. 2-carbethoxy-4,6-dichlorophenyl (2,4-dichlorophenyl)benzimidate (IV), m. 136°. IV (2 g.) heated 10 min. at 200°, cooled to 150°, 23 ml. concd. H<sub>2</sub>SO<sub>4</sub> added, the mixt. reheated to 200-3° for 1 min., and, after cooling, poured into H<sub>2</sub>O, yielded 0.15 g. II, m. 252° (PhMe). II (1 g.) and 3.5 g. freshly distd. POCl<sub>3</sub> heated first to 85-90°, then to 135-140° for 2 hrs., the excess POCl<sub>3</sub> removed, the residue mixed with 4.5 ml. concd. NH<sub>3</sub> soln., 11 g. ice, and 4.5 ml. CHCl<sub>3</sub>, the CHCl<sub>3</sub> layer sepd., and the above extrn. process repeated twice yielded 2,4,5,7,9-pentachloroacridine, yellow needles, m. 193° (C<sub>6</sub>H<sub>6</sub>).  
 Michael

1949 (113)  
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EXCERPTA MEDICA Soc 18 Vol. 2/5 Cardio July 58

1539. *The value of mannite and PAH tesis in hypertensive disease* Valoarea testelor manită și P.A.H. în boala hipertensivă. GOIA I., BERARIU T., CIURDARIU P., GANE N., SCHIAU M. and VASIU A. *Med. intern. (Bucuresti)* 1957, 9/8 (1168—1176) Tables 1

Using the technique described by Hamburger and modified by Smith for the simultaneous determination of the mannite and PAH clearances, a study was carried out in 30 patients who presented a hypertensive disease in various stages of development. In the 1st stage, the findings showed a normal or increased glomerular function, whereas the tubular function was generally normal and rarely reduced. However, in the course of the 2nd stage the tubular function was reduced, this reduction having a permanent character; in the 3rd stage the glomerular filtration was also diminished. These data confirm the nephrogenic role of the hypertensive disease. The significance of the method for the determination of the clearances resides in the fact that it demonstrates renal functional disturbances in the hypertensive disease at an early moment, when all the other classical tests show normal functional values.

Nicolaesco - Bucharest (XVIII, 6)

EXCERPTA MEDICA Sec 6 Vol 11/6 Internal Med. June 60

3949. CONSIDERATIONS ON OSTEOMYELOSCLEROSIS - Considerații asupra osteo-mielosclerozei - Goia I., Ciudariu P., Dori F. and Morariu G. Clin. Med. II. I.M.F., Cluj - VIATA MED. 1958, 5/1 (35-43)

Osteomyelosclerosis (O) is a double disease, involving both the bone and the bone marrow; it is well individualized as regards its clinical, haematological and histopathological features. In the case reported in this paper, the disease developed in a patient who had been subjected to splenectomy. The spleen was initially the main seat of extra-medullary haemopoiesis. After splenectomy this function was transferred to the liver. In practice it may be difficult to differentiate O from chronic leukaemia. This case offers some support for a possible indication for splenectomy in osteomyelosclerosis though most authors are against such intervention. Attention is called to the fact that in this patient the liver reacted very much like the spleen in the adrenaline test, undergoing a considerable decrease in size, and that the number of splenic leucocytes increased up to twice its initial value, mainly in respect of immature leucocytes and myeloid cells. The response of the liver to adrenaline has so far not been mentioned in the literature. (VI. 5)

EX-10774 MEDICA Sec. 6 Vol 13/12 Internat red. Dec 59

7418. CONTRIBUTIONS TO THE STUDY OF THE AETIOLOGY AND PATHO-  
GENESIS OF CRYPTOGENETIC PANMYELOPATHIES - Contributii la studiu  
etiologicel si patogenel panmielopatiilor criptogenetice - [?], Flo-  
rescu I., Ganea N., Blendea O. and Lupşa [?], Clin. a  
II-a Med. I. M. F. Cluj - VIATA MED. 1958, 5/2 (141-145)

Two clinical case records of immunological panmyelopathies, conditioned by ton-  
sillar focal infections are reported. Removal of the infectious focus was followed  
by the disappearance of antibodies, while the number of leucocytes, erythrocytes  
and thrombocytes returned to almost normal figures within a short time.

GOIA, I.; CHIRTOC, Gh.; NECHU, A.; CRACIUN, T.

Acute rheumatic polyvisceritis. Med. int., Bucur. 10 no.5:673-678  
May 58.

1. Incorare efectuata in Clinica a II-a medicala, Cluj.  
(RHEUMATISM, case reports  
rheum: polyvisceritis, acute, with polyarthritis & arteritis)  
(ARTHRITIS, RHEUMATOID, case reports  
polyarthritis, with rheum. polyvisceritis & arteritis)  
(ARTERITIS, case reports  
with rheum. polyvisceritis & polyarthritis)

EXCERPTA MEDICA Sec 19 Vol 2/11 Rehabilitation Nov 59

2293. Paroxysmal painful syndrome of the lower limb Sindrom paroxistic dureros al membrului inferior. GOIA L and BUCUR N. Clin. a II-a Med., Cluj Med. interna (Bucuresti) 1958, 10/10 (1557-1559)

A report is given of a rare clinical case of glomus tumor of the right leg, manifesting itself with severe attacks of peripheral vascular type, mental disturbances, modifications of the blood sugar level and changes of arterial pressure. Extirpation of the growth brought about recovery.  
Nicolaesco - Bucharest (VI, 18, 19)

GOYA, I., BUKUR, N., DORKA, N., RUB, D. (Bukharest)

Interrelations of rheumatic arteritis, periarteritis nodosa  
and rheumatic diseases; preliminary report. *Klin.med.* 36  
no.10:68-75 0 '58 (MIRA 11:11)

(RHEUMATISM, compl.

arteritis, relation to periarteritis nodosa (Rus))

(ARTERITIS, etiol. & pathogen.

rheum., relation to periarteritis nodosa (Rus))

(PERIARTERITIS, NODOSA

relation to rheum. arteritis (Rus))

(OIA J. Prof.; GLIGORE, V., conf.; DIMITRESCU, I., dr.; NIGHER, G., dr.;  
FLORESCU, I., dr.; GHERMAN, Gr., dr.; FRATILA, I., dr.

Therapy of ulcerous diseases. Med. int., Bucur. 8 no.4:518-  
525 Aug 56.

1. Lucrare din Clinica a II-a medicala I.M.F. - Cluj.  
(PEPTIC ULCER, therapy  
gastric lavage with hypertonic glucose solutions,  
evaluation)  
(HYPERTONIC SOLUTIONS, ther. use  
glucose solutions in gastric lavage for peptic ulcer)

RUMANIA / General Problems of Pathology. The Patho- U  
physiology of the Infectious Process.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102495.

Author : Goia, I.; Dori, Francis.

Inst : Not given.

Title : Endocrine Symptomatology in Focal Infection.

Orig Pub: Bul. stiant. Acad. RPR. Sec. med., 1956, 8, No 3,  
687-695.

Abstract: In 26 patients with various diseases of the thyroid gland and in 6 suffering from diabetes, a focal infection was discovered. Simple assanation of the focus led to cure of the basic disease in many patients.

Card 1/1

49

GOIA, I., prof.; CHIRTOC, G.; NEGRU, A.; CRACIUN, T.

Acute rheumatic polyvisceritis. Romanian M. Rev. 3 no.3:48-52  
Jl-8 '59.

1. 2nd Medical Clinic, Cluj.  
(RHEUMATISM)

IONESCU, Maria; GOIA, Ileana

On the acridones. XVIII. Study of the dichloroacridone obtained through direct chlorination of acridone. Studii cerc chimie Cluj 10 no.2:335-340 '59. (HEAI 9:9)

1. Academia R.P.R. - Filiala Cluj, Institutul de chimie.  
(Acridanone) (Chlorination) (Dichloroacridanone)  
(Acetic acid) (Tetrachloroacridanone)

Dist: *h3d*

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*AKU)*  
*JAS(R)*  
*1*

*Chlorination of acridone. Maria Ionica and (Jian) Coia (Acad. R.P.R., Timisoara, Romania). Rev. Chim. German. rep. populare Roumaine, No. 1: 85-94 (1960) (in Cl into 2 g. acridone (I) in 80 cc. CCl<sub>4</sub> while heating on a H<sub>2</sub>O bath 30 min. After heating 10 min. longer, the mixt. was cooled, filtered, and the residue washed with CCl<sub>4</sub> and EtOH (0.25 g.), m. 434° (93% HOAc). A mixt. of chlorinated acridones was recovered from the CCl<sub>4</sub> soln. but pure compds. could not be sepd. I was also obtained by treatment of 3.2 g. N-(4-chlorophenyl)-8-chloroanthranilic acid with 30 cc. POCl<sub>3</sub> at 135° 4 hrs., stirring into ice H<sub>2</sub>O, and boiling 2 hrs. Similarly, N-(4-nitrophenyl)-8-chloroanthranilic acid, m. 287°, gave 2-nitro-7-chloroacridone (III), orange crystals, m. 415°. III (0.1 g.) in 20 cc. of refluxing 1:1 H<sub>2</sub>O-EtOH with 1.5 g. powd. Zn and a lump of CaCl<sub>2</sub> yielded 0.08 g. 2-amino-7-chloroacridone, m. 317° (EtOH). 2,7-Dichloro-9-(4-dimethylaminophenyl)acridine (IV) (0.3 g.), m. 263° (EtOH), resulted from 0.2 g. I with 2 cc. Ph<sub>3</sub>NMe<sub>3</sub> and 0.2 cc. POCl<sub>3</sub> at 95° 8 hrs. After dilg. with H<sub>2</sub>O, the mixt. was made basic and steam distd. to remove excess Ph<sub>3</sub>NMe<sub>3</sub>. 2,4,6,7-Tetrachloroacridone (V), m. 253° (toluene), was prepd. in 93% yield by passing Cl into glacial HOAc contg. 1.5 g. I. V was also prepd. by treating*

*PhCCl:NC:CCl:CH:CCl:CH:CH, m. 78°, with Et 2,5-dichlorosalicylate, m. 67°, to give 2,6-Cl<sub>2</sub>C<sub>6</sub>H<sub>2</sub>N:CH(O-*

*C:(CO<sub>2</sub>Et):CH:CCl:CH:CCl, m. 126°, which underwent ring closure at 200° in the presence of H<sub>2</sub>SO<sub>4</sub> to yield V (Jamison and Turner, CA 32, 1669). V (1 g.) was heated with 3.5 g. POCl<sub>3</sub> at 135-40° 2 hrs., the excess POCl<sub>3</sub> distd., the residue poured into 4.5 cc. concd. NH<sub>3</sub>, 11 g. ice, and 4.5 g. CHCl<sub>3</sub>, the dried CHCl<sub>3</sub> ext. distd., and the resulting residue recrystd. from benzene, m. 103°.*

*Kenneth L. Moser*

GOIA, I., prof.; GANEA, N., dr.; BLENDEA, O., dr.; MURUSAN, T., dr.

Contributions to the diagnosis of latent rheumatism. Med. intern.,  
Bucur 12 no.9:1385-1391 S '60.

1. Lucrare efectuata in Clinica a II-a medicala, Cluj.  
(RHEUMATISM, diagnosis)

GOIA, I., prof.; FLORESCU, I., dr.; DERMLA, Z., dr.; PODUT, A., dr.

Considerations on the visceral findings and etiopathogenesis of  
Schoenlein-Henoch's disease. Med. intern., Bucur 13 no.1:25-32  
Ja '61.

1. Lucrare efectuata in Clinica a II-a medicala, Cluj.

(PURPURA)

GOIA, I., prof.; DORCA, N., dr.; FLORESCU, I., dr.; CIURDARIU, P., dr.;  
GHERMAN, G.; BACIU, T., dr.; RUB, D., dr.; DERMLA, Z., dr.;  
SOPON, E.

The treatment of cerebral and peripheral atherosclerosis with vitamin  
B 12. Med. intern. 14 no.10:1253-1262 0 '62.

1. Lucrare efectuata la Clinica a II-a medicala, I.M.F. Cluj (director:  
prof. I. Goia).

(ARTERIOSCLEROSIS) (VITAMIN B 12)  
(BLOOD CHOLESTEROL) (BLOOD PROTEINS) (BLOOD LIPIDS)  
(LIPOPROTEINS)

GOIA, I., prof.; GLIGORE, V., conf.; BUBUIANU, G., dr.; DUTU, A., dr.;  
PODUT, E., dr.; STOICA, D., ing.

Meteorological changes as factors in the etiopathogenesis of acute  
vascular accidents. Med. intern. 14 no.12:1427-1432 D '62.

1. Lucrare efectuata in Clinica a II-a medicala, I.M.F. Cluj.  
(WEATHER) (CARDIOVASCULAR DISEASES) (CEREBROVASCULAR DISORDERS)  
(THROMBOSIS) (HEMORRHAGE)

GOIA, I.

RUMANIA

GOIA, I., Professor; RUB, D., MD.

Medical Clinic No II of the Institute of Medicine and Pharmacy  
(Clinica a II-a Medicala, I.M.F.), Cluj - (for all)

Bucharest, Viata Medicala, No 3, 1 Feb 63, pp 175-178.

"Observations in Connection with a Case of Agranulocytosis."

(2)

GOIA, I.; DASCALU, Rodica

Symptomatic secondary hyperthyroidism. Stud. cert.  
endocr. . 14 no. 3:327-339 '63.

(HYPERTHYROIDISM) (INFECTION) (VIRUS DISEASES)  
(THYROID NEOPLASMS) (POISONING)

GOIA, I., prof.; CHIRTOC, Gh., dr.; TICLETE, I., dr.; DUJU, Alex., dr.

Diencephalic syndromes in the course of rheumatic disease.  
Med. intern. 15 no.7:785-792 J1 '63.

1. Lucrare efectuata in Clinica a II-a medicala, Cluj.  
(RHEUMATISM) (NEUROLOGIC MANIFESTATIONS)  
(DIENCEPHALON) (POLYURIA)

MANTSCH, H.; GOIA, Ileana; IONESCU, Maria

On acridones. Pts. 30-31. Studii cerc chimie Cluj 14 no.2:  
281-301 '63.

1. Institute of Chemistry, Rumanian Academy, Cluj Branch.

GOIA, loan, ing.; CCNEA, Sabin, ing.

Mechanizing the shifting of goods from narrow-gauge railroad cars to standard-gauge railroad cars and in reverse. Revailor fer 13 no.3:146-148 Mr 65.

L 30737-00 EWP(W) IPR(e) EM

ACC NR: AP6022109

SOURCE CODE: RU/0018/65/000/010/0553/0558

AUTHOR: Deutsch, I.; Goia, I.; Neamtu, T.; Gradinaru, A.; Morariu, N.

30  
B

ORG: none

TITLE: Studies concerning resistance hypotheses

SOURCE: Constructia de masini, no. 10, 1965, 553-558

TOPIC TAGS: stress analysis, mechanical shock resistance

ABSTRACT: The authors present the results of a theoretical and experimental study of the resistance criteria relating to the plane states of unitary stresses. Formulae are given to calculate stress resistance under various conditions. Orig. art. has: 4 figures, 19 formulas and 5 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 20 / SUMM DATE: none / ORIG REF: 001 / OTH REF: 001

Card 1/1 FV

UDC: 539.4

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